

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	17986	dish\$1wash\$3 or ware \$1wash\$3 or (kitchen ware\$1wash\$3) AND (additive or detergent) SAME (dispens\$3 or meter\$3 or dos\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/20 16:11
S2	2794	(dish\$1wash\$3 or ware \$1wash\$3 or (kitchen ware\$1wash\$3)) AND ((additive or detergent) SAME (dispens\$3 or meter\$3 or dos\$3))	US-PGPUB; USPAT	ADJ	ON	2008/11/20 16:12
S5	20	"5453131", "6035472", "4110075"	US-PGPUB; USPAT	OR	ON	2008/11/21 15:41
S6	830	134/29.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/11/24 08:15
S7	75	134/29.ccls. AND (dish \$1wash\$3 or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/24 08:18
S8	102	134/26.ccls. AND (dish \$1wash\$3 or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/24 08:59
S9	71	134/26.ccls. AND (dish \$1wash\$3 or ware \$1wash\$3) NOT S7	US-PGPUB; USPAT	ADJ	ON	2008/11/24 09:00
S10	597	134/25.2.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/11/24 09:12
S11	2794	(dish\$1wash\$3 or ware \$1wash\$3) AND ((additive or detergent) SAME (dispens\$3 or meter\$3 or dos\$3))	US-PGPUB; USPAT	ADJ	ON	2008/11/24 09:37
S12	650	(detergent or additive or agent) near3 (level or monitordetect\$3 or sens\$3) AND (dish \$1washer or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/25 17:40

S13	675	(detergent or additive or agent) near3 (level or monitor or detect\$3 or sens\$3) AND (dish \$1washer or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/25 17:44
S14	21	(detergent or additive or agent) near3 (level or monitor or detect\$3 or sens\$3) near3 (contamination or soil or dirtiness) AND (dish \$1washer or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/25 18:57
S15	66	(detergent or additive or agent) SAME (level or monitor or detect\$3 or sens\$3) near3 (contamination or soil or dirtiness) AND (dish \$1washer or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/25 18:58
S16	1136	134/18.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/11/26 07:00
S17	18	dish\$1washer AND ((detergent or additive or agent) near3 level SAME sensor)	US-PGPUB; USPAT	ADJ	ON	2008/11/26 07:46
S18	25	dish\$1washer AND ((detergent or additive or agent) near3 (level or volume) SAME (sens \$3 or monitor\$3 or detect\$3))	US-PGPUB; USPAT	ADJ	ON	2008/11/26 07:47
S19	7	ware\$1washer AND ((detergent or additive or agent) near3 (level or volume) SAME (sens \$3 or monitor\$3 or detect\$3))	US-PGPUB; USPAT	ADJ	ON	2008/11/26 07:58
S20	331	"222".clas. AND dishwasher	US-PGPUB; USPAT	ADJ	ON	2008/11/26 08:05
S21	604	(dish\$1wash\$3 or ware \$1wash\$3) AND ((dispens\$3 or delivery or dos\$3 or meter\$3) near3 (detergent or additive or agent or chemical or product))	EPO; JPO; DERWENT	ADJ	ON	2008/11/26 08:37

S22	764	(dish\$1wash\$3 or ware\$1wash\$3) AND chemical reaction	US-PGPUB; USPAT	ADJ	ON	2008/11/26 08:59
S23	29	(dish\$1wash\$3 or ware\$1wash\$3) SAME chemical reaction	US-PGPUB; USPAT	ADJ	ON	2008/11/26 09:24
S24	103	(dish\$1wash\$3 or ware\$1wash\$3) SAME internet	US-PGPUB; USPAT	ADJ	ON	2008/11/26 09:39
S25	14	(dish\$1wash\$3 or ware\$1wash\$3) SAME internet same (order or refill)	US-PGPUB; USPAT	ADJ	ON	2008/11/26 09:42
S26	0	"2002040505"	US-PGPUB; USPAT	ADJ	ON	2008/11/26 11:04
S27	392	(dish\$1wash\$3 or ware\$1wash\$3) SAME reaction	US-PGPUB; USPAT	ADJ	ON	2008/11/26 11:05
S28	524	(dish\$1wash\$3 or ware\$1wash\$3) AND ((dispens\$3 or valve or pump) same reaction)	US-PGPUB; USPAT	ADJ	ON	2008/11/26 11:36
S29	9304	(dish\$1wash\$3 or ware\$1wash\$3 or (kitchen ware\$1wash\$3)) AND (react\$3 or mixture)	US-PGPUB; USPAT	ADJ	ON	2008/12/01 08:36
S30	1114	(dish\$1wash\$3 or ware\$1wash\$3 or (kitchen ware\$1wash\$3)) AND (chemical near3 (react\$3 or mixture))	US-PGPUB; USPAT	ADJ	ON	2008/12/01 08:38
S31	6	"4242051"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 08:58
S32	90	("3032240"   "3105615"   "3341418"   "3708431"   "3723324"   "3729553"   "3762875"   "3770641"   "3866800"   "4002571"   "4272393"   "4316824"   "4336356"   "4337318"   "4348292"   "4401490"   "4417993"   "4433013"   "4456492"   "4514326"   "4522738"   "4619710"   "4666625"   "4679706"   "4683004"   "4683008"   "4707441")	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:20

		"4797231"     "4897251"   "4965019"   "4990327"     "5004591"   "5141666"   "5154917"     "5198144"   "5264146"   "5286402"     "5307954"   "5392947"   "5407595"     "5455035"   "5562856"   "5578562"     "5579957"   "5613623"   "5624465"     "5630883"   "5665427"   "5683976"     "5718729"   "5747439"   "5767055"     "5770554"   "5776877"   "5797986"     "5804546"   "5862949"   "5865345"     "5885949"   "5931172"   "5948792"     "5958454"   "5962393"   "5968453"     "5975335"   "6065643"   "6126697"     "6127330"   "6136768"   "6177092"     "6223942"   "6245157"   "6273960"     "6290872"   "6302969"   "6313086").PN. OR ("6583103").URPN.			
S33	13	(dish\$1wahser or ware\$1washer) AND mix\$3 same (chamber or reactor)	US-PGPUB; USPAT; USOCR	ADJ	ON 2008/12/01 09:25
S34	6	(dish\$1wahser or ware\$1washer) AND chemical reaction	US-PGPUB; USPAT; USOCR	ADJ	ON 2008/12/01 09:29
S35	0	(dish\$1wahser or ware\$1washer) AND micro\$1reactor	US-PGPUB; USPAT; USOCR	ADJ	ON 2008/12/01 09:30
S36	0	(dish\$1wahser or ware\$1washer) AND micro-reactor	US-PGPUB; USPAT; USOCR	ADJ	ON 2008/12/01 09:30
S37	0	(dish\$1wahser or ware\$1washer) AND micro-reactor	US-PGPUB; USPAT; USOCR	ADJ	ON 2008/12/01 09:30
S38	0	(dish\$1wahser or ware\$1washer) AND reactor	US-PGPUB; USPAT; USOCR	ADJ	ON 2008/12/01 09:30

S39	271	(dish\$1washer or ware \$1washer) AND reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:31
S40	607	(dish\$1washer or ware \$1washer) AND mix\$3 same (chamber or reactor)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:32
S41	2	(dish\$1washer or ware \$1washer) AND micro-reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:45
S42	8	(dish\$1washer or ware \$1washer) AND chemical reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:46
S43	505	"222".clas. AND dish \$1wash\$3	US-PGPUB; USPAT	ADJ	ON	2008/12/01 09:57
S44	144	S43 and chemical	US-PGPUB; USPAT	ADJ	ON	2008/12/01 09:57
S45	3	(dish\$1washer or ware \$1washer) AND chemical reaction	EPO; JPO; DERWENT	ADJ	ON	2008/12/01 10:08
S46	6	(dish\$1washer or ware \$1washer) AND chemical react\$3	EPO; JPO; DERWENT	ADJ	ON	2008/12/01 10:12
S47	3	wash\$3 AND (chemical react\$3 same dispenser)	EPO; JPO; DERWENT	ADJ	ON	2008/12/01 10:32
S48	25	"4678103"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 10:52
S49	6	"4730381"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 10:53
S50	8	"4110075"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 11:07
S51	133352	mix\$3 with (chemical or additive)	US-PGPUB; USPAT	ADJ	ON	2008/12/01 11:40
S52	395	mix\$3 with (chemical or additive) and (dish \$1washer or ware \$washer or wahing machine)	US-PGPUB; USPAT	ADJ	ON	2008/12/01 11:40
S53	201	combin\$3 with (chemical or additive) and (dish\$1washer or ware\$washer or wahing machine)	US-PGPUB; USPAT	ADJ	ON	2008/12/01 11:48
S54	5	"6513180"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:10
S55	8	(dish\$1wash\$3 or ware \$1wash\$3) SAME react \$3 chamber	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:37

S56	33	(dish\$1wash\$3 or ware \$1wash\$3) SAME ozone	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:38
S57	0	(dish\$1wash\$3 or ware \$1wash\$3) and ozone	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:45
S58	392	(dish\$1wash\$3 or ware \$1wash\$3) and ozone	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:45
S59	4523	(dish\$1wash\$3 or ware \$1wash\$3) and gas	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:59
S60	551	dish\$1wash\$3 same gas	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:59
S61	0	dish\$1wash\$3 same (dispenser or dosing) same ozone	US-PGPUB; USPAT	ADJ	ON	2008/12/01 13:08
S62	187	(dish\$1wash\$3 or ware \$1wash\$3) and mixing chamber	US-PGPUB; USPAT	ADJ	ON	2008/12/01 13:23
S63	21	(dish\$1wash\$3 or ware \$1wash\$3) same mixing chamber	US-PGPUB; USPAT	ADJ	ON	2008/12/01 13:23
S64	25	US-2627453-\$..DID. OR US-3627684-\$.. DID. OR US-3650667- \$.DID. OR US- 4188807-\$..DID. OR US-4434629-\$..DID. OR US-4489574-\$.. DID. OR US-4755188- \$.DID. OR US- 5068937-\$..DID. OR US-5309739-\$..DID. OR US-5345637-\$.. DID. OR US-5765403- \$.DID. OR US- 6178987-\$..DID. OR US-6513180-\$..DID. OR US-6557732-\$.. DID. OR US-6843390- \$.DID. OR US- 20040206133-\$..DID. OR US-20050066449-\$.. DID. OR US- 20050252532-\$..DID. OR US-20060096038-\$.. DID. OR US- 20060101588-\$..DID. OR US-20060102656-\$.. DID. OR US- 20060107705-\$..DID. OR US-2078482-\$.. DID. OR JP-19900319- \$.DID. OR US-	US-PGPUB; USPAT	ADJ	ON	2008/12/01 15:24

		1756428-\$.DID. OR US-1331018-\$.DID.				
S65	0	multi-chemical dispenser	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:12
S66	621	chemical dispenser	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:13
S67	37	S66 and dishwasher	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:13
S68	9	S66 and warewasher	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:38
S69	499	dishwasher AND unstable	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:40
S70	13	"4188807"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:45
S71	7	"5453131"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:37
S72	0	micr-dosing pump	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:47
S73	7	micro-dosing pump	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:47
S74	1690	micro pump	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:51
S75	1	micro pump SAME dishwasher	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:51
S76	0	micro-pump SAME dishwasher	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:51
S77	1	micro pump SAME dishwasher	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:51
S78	25	("2431040"   "2643537"   "2643665"   "3086379"   "3133673"   "3212677"   "3239104").PN. OR ("4188807").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 11:33
S79	111	(dish\$1wash\$3 or ware \$1wash\$3) same pre \$1mix\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 11:48
S80	52	(dish\$1wash\$3 or ware \$1wash\$3) same mixing (chamber or conduit or channel)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 11:56
S82	19	("2724583"   "2952209"   "2975804"   "3038495"   "3112884"   "3459334"   "3643688").PN. OR ("3756457").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 12:41

S83	1	S82 and (dish\$1wash\$3 or ware\$1wash\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 12:42
S84	42	("2218698"   "2430668"   "3114253"   "3116982"   "3279481"   "3539153"   "3600819"   "3807418").PN. OR ("3888269").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 15:44
S85	0	dishwash\$3 same sensor same dos\$3 same quantity same detergent	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 16:05
S86	1	"20070144558"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/16 07:25
S87	3	"6792637"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/16 07:56
S88	1	(10/040512).APP.	US-PGPUB; USOCR	ADJ	ON	2009/12/16 07:57
S89	0	(dish\$1wash\$3, ware\$1wash\$3) same (selectiv\$3 or control\$3) near2 (dosing or dispens\$3)	US-PGPUB; USOCR	ADJ	ON	2009/12/16 09:23
S90	90	(dish\$1wash\$3, ware\$1wash\$3) same (selectiv\$3 or control\$3) near2 (dosing or dispens\$3)	US-PGPUB; USOCR	OR	ON	2009/12/16 09:23
S91	15	(dish\$1wash\$3, ware\$1wash\$3) same (selectiv\$3) near2 (dosing or dispens\$3)	US-PGPUB; USOCR	OR	ON	2009/12/16 09:25
S92	104	(dishwash\$3 or warewash\$3) and (pump\$3 or dispens\$3) near2 (granul\$3 or powder)	US-PGPUB; USOCR	OR	ON	2009/12/16 11:16
S93	19	(dishwash\$3 or warewash\$3) and (pump\$3 or dispens\$3) near2 (granul\$3 or powder) near5 liquid	US-PGPUB; USOCR	OR	ON	2009/12/16 11:16

12/16/2009 3:08:12 PM

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detergent dispensing.wsp